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9 (107) (("623/2.12")	or ("623/2.17") or ("623/2.:	18") or ("623/2.28") or ("623/2.31	") or (*62		
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U8 6030392	USPAT 2000022 25 Cc	Dakov	[45] Date of Patent: Feb. 29, 2000
UB 5904696 UB 5897562	USPAT 1999051 12 8c USPAT 1999042 30 No	(54) CONNECTOR FOR HOLLOW ANAJOMICAL STRUCTURES AND METHODS OF USE	5,185,638 2/1993 Trahin
		[75] Inventor: Pepi Dakov, New York, N.Y.	5,256,462 11/1994 Kaster
		[73] Assignes: Mosorola, Inc., Schumburg, El-	5,455,174 10;1634 Owez 6281 5,455,167 1/1996 Schenck 906;153 5,540,701 7/1996 Sharkay 606;153
	1	[21] Appl. No : 08/858,275	\$752,966 \$1598 Chang 606;151 \$797,933 \$1998 Snow et al. 606;153
		[22] Filed: May 19, 1997	Primary Examiner—Michael Buir Assistant Emminer—Daphna Shai
	1	Reinted U.S. Application Date	Assertey, Agent, or Firm-Charles W. Bethards
	•	[63] Combustion-car of application No. 08/28,434, Om. 2, 1993, Pat. No. 5,720,755, which is a continuation for per of application No. 06/27-049, Jun 18, 1993, absociated.	(57) ABSTRACT Cornersor and methods for exactment to bollow anasomical
	1	[51] [m, C).7 A61B 17:03	structures. The connector cognists of an annular rigid body
		[52] U.S. CL 606/139; 606/149; 606/151 [58] Field of Search 606/139; 148, 606/151, 153, 151; 623/1; 222/175.1, 175.1.	and multiple holding members affixed along its opening. The opening and the inner surface and of the annutar body correspond respectively to the opening and the external surface of a hollow annumical structure. The helding mem-
		[56] References Cited	bers are deformed by an applied force in a manner that the deformed holding members protrude into the opening of the
		U.S. PATENT DOCUMENTS	bollow structure and press it towards the annular rigid body, thus attacking the connector to the bollow stratemical struc-
		4,362,358 101582 Angelebik 128/334 R 4,368,796 1,71983 Kinter 128/334 C	ture. Verious embodiments of connectors and methods are provided for attaching the connectors to hollow automics: structures with different external surfaces.
		4,595,483 8,1985 Xiawane et al	
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